July 15, 2022
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TEXAS A&M AGRILIFE EXTENSION

Inside this issue:

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General Area Crop Progress

The hot and dry conditions continue. There have been some scattered showers but it is mostly too little too late. Corn is drying rapidly and harvest will start soon. Many soybean fields are being claimed as an insurance loss and harvested for forage. They did not set pods in the heat or are unlikely to fill pods with lack of soil moisture. Forage demand is also high. Our Cotton is at cut out and blooming at the top of the plant. Bollworm eggs and aphids can be found but few fields have reached treatment threshold at this point. Stay tuned to the weekly crop management audio updates at https://www.texasinsects.org/agriculture-audio-updates-home.html for weekly insect and crop information.

Figure 1. Soybean field harvested for forage Hunt County, TX 2022

More soft and hard winter **Wheat Variety Trial Data** is enclosed in this newsletter. Also enclosed is the **Wheat Fungicide Profitability Trials** looking at select soft and hard wheat varieties with and without a generic single mode of action foliar fungicide application.

We will be having a **Summer Crops Field Day** at the Greenville Farm on Wednesday July 20, 2022 starting at 9:00 am. The following can be viewed.

- Corn Hybrid Trials, Small and Large Plot.
- Grain Sorghum Hybrid Trials.
- Annual Ryegrass Control/Soybean Cover Crop Trials
- Soybean Varieties
- Cotton Varieties
- Corn Fertility
- Corn Tillage
- Corn Planting Down Pressure strips
- Corn Seed Treatment
- Grain Sorghum Herbicide

Summer Crops Field Tour Greenville, TX

Wednesday July 20, 2022 9:00 am

Greenville University Farm

2157 FM 1569, Greenville, TX. 75401

-Meet at Equipment Building 8:55 am

- Corn and Grain Sorghum Hybrid Trials 9:00 am
- Annual Ryegrass Control/Soybean Cover Crop Options 9:30
- Other items to view Soybean Varieties, Cotton Varieties, Corn Fertility 10:00

1.0 CCA and 1 general pesticide applicator CEU

For more information contact David Drake 903-468-3295 or drdrake@ag.tamu.edu

TEXAS A&M AGRILIFE RESEARCH

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TEXAS A&M AGRILIFE EXTENSION

22-02. 2021-22 SRWW Variety Comparison with Selected HRWWs Study @ Howe, TX (Norman Farms, Cooperator)

Table 1 MEAN Comparison Table

Variety†	Head Type	Yield‡	Test Weight	Heading	Stand	Plant Height	Stripe Rust Flag Leaf Infection	Leaf Rust Flag Leaf Infection	Forage
		bu/ac	lb/bu	Julian	0-10[1]	inches	%	%	1-3[2]
Pioneer 25R74	Awned	85.6 a	54.1 n-s	108.0 mno	9.8 ab	33.2 h-m	0.0 a	27.5 hij	2.2 ghi
USG 3783	Awned	82.6 ab	54.4 n-q	108.2 m-p	7.7 h-k	32.8 g-l	0.0 a	19.7 d-i	2.5 de
TAM 304 *(HRWW)*	Awned	81.1 abc	56.6 e-h	103.0 c	8.3 e-j	33.8 k-o	20.0 e	15.8 c-h	2.8 bc
Dyna-Gro 9393	Awned	77.7 bcd	54.7 l-o	108.2 m-p	8.5 d-i	32.2 d-i	0.0 a	20.0 d-j	2.3 efg
Blackland 2167 EXP	Awned	77.6 b-e	54.3 n-q	108.2 m-p	8.3 e-j	31.7 c-g	0.0 a	12.7 b-g	2.3 efg
Dyna-Gro 9002	Awned	77.3 b-e	52.5 tu	107.7 lmn	9.7 abc	34.2 m-p	0.0 a	15.0 b-h	2.1 hij
TX16DDH579	Awned	77.1 b-e	59.5 a	103.0 c	8.8 b-g	34.8 op	3.2 abc	0.0 a	3.0 a
USG 3118	Awnletted	76.9 b-e	56.2 f-i	104.8 ef	10.0 a	33.5 j-n	4.2 bc	0.0 a	2.7 cd
Go Wheat GW 6000	Awned	76.5 c-f	57.3 c-f	102.0 b	8.2 f-j	33.3 i-m	0.0 a	21.7 e-j	2.9 ab
AGS 2055	Awned	76.0 c-g	54.1 n-r	107.3 klm	8.2 f-j	34.8 op	0.8 ab	0.0 a	2.3 efg
Go Wheat GW 2032	Awned	75.8 c-g	58.3 bc	98.5 a	9.2 a-f	31.0 bcd	10.8 d	0.0 a	3.0 a
LANC 11558-33	Awned	74.6 d-h	57.6 cde	105.0 efg	9.5 a-d	33.0 h-m	0.0 a	0.0 a	2.0 ijk
Blackland 2166	Awned	74.4 d-i	53.2 rst	110.2 rs	10.0 a	32.2 d-i	0.0 a	23.3 f-j	2.1 hij
Monsanto WB-4418 *(HRWW)*	Awned	74.1 d-i	56.4 f-i	103.0 c	9.3 a-e	33.0 h-m	5.0 c	3.0 ab	2.3 fgh
Monsanto WB-4523 *(HRWW)*	Awned	73.4 d-j	55.5 i-m	102.7 bc	9.5 a-d	30.2 ab	0.0 a	30.0 ij	2.8 abc
USG 3895	Awned	72.9 d-k	53.5 p-t	108.3 nop	6.2 mno	31.3 b-e	0.0 a	20.0 d-j	2.2 ghi
AgriPro SY 547	Awnless	72.8 d-k	56.8 d-g	104.2 de	7.8 g-k	38.5 s	0.8 ab	15.8 c-h	2.3 efg
Dyna-Gro 9811	Awned	71.8 d-l	54.9 k-o	105.7 f-i	9.2 a-f	34.0 l-o	0.0 a	4.3 abc	2.3 efg
TX18D3212	Awned	71.6 e-l	56.4 f-i	107.0 kl	7.8 g-k	32.7 f-k	0.0 a	0.0 a	2.8 abc
Dyna-Gro 9701	Awned	70.7 f-m	54.7 l-o	108.5 nop	7.0 klm	36.3 qr	5.0 c	21.7 e-j	2.4 ef
Dyna-Gro 9172	Awned	70.5 f-m	53.9 o-s	108.5 nop	6.2 mno	32.8 g-l	0.0 a	43.3 kl	2.0 ijk
TX17D2337	Awned	70.3 g-m	56.6 e-i	105.8 ghi	8.7 c-h	32.0 d-h	1.2 ab	0.0 a	1.8 kl
Blackland 2175	Awned	70.3 g-m	55.1 j-n	106.8 jkl	6.3 lmn	31.2 b-e	0.0 a	6.3 abc	2.2 ghi
Pioneer 25R40	Awned	69.7 h-n	54.3 n-q	111.8 t	6.3 lmn	29.7 a	0.0 a	29.2 ij	1.7 lm
USG 3472	Awned	69.6 h-n	53.3 q-t	108.5 nop	6.2 mno	31.5 c-f	0.0 a	55.0 lm	2.0 ijk
USG 3536	Awned	68.8 h-n	54.5 m-p	108.8 opq	7.0 klm	36.3 qr	0.0 a	9.5 a-e	2.0 ijk
TAM 114 *(HRWW)*	Awned	68.5 i-n	56.5 f-i	109.0 pq	8.0 g-k	37.3 rs	0.0 a	75.0 n	2.5 de
USG 3640	Awned	68.0 j-o	58.1 bc	103.0 c	7.5 ijk	33.8 k-o	23.3 e	0.0 a	3.0 a
Dyna-Gro WX20738	Awned	67.2 k-p	53.0 st	105.3 fgh	7.3 jkl	35.3 pq	0.0 a	5.8 abc	2.4 ef
Blackland 2034	Awned	66.7 l-p	54.0 n-s	108.0 mno	5.5 n-q	32.8 g-l	0.0 a	58.3 m	1.7 lm
AGS 2024	Awned	65.8 l-q	58.9 ab	103.0 c	7.0 klm	30.7 abc	29.2 f	11.7 a-f	3.0 a
AgriMaXX 492	Awned	65.4 m-q	57.3 c-f	104.3 de	6.0 m-p	34.7 nop	0.0 a	0.0 a	2.1 hij
Blackland 2174	Awned	63.8 n-q	55.9 g-k	106.0 hij	5.2 o-r	33.3 i-m	0.0 a	20.8 d-j	2.4 ef
Dyna-Gro 9120	Awned	62.1 o-r	56.0 g-j	108.0 mno	5.7 n-q	32.8 g-l	0.0 a	61.7 m	2.0 ijk
USG 3352	Awned	61.3 p-s	53.3 q-t	110.7 s	4.3 rs	33.2 h-m	1.7 abc	32.5 jk	1.6 m
AGS 2038	Awned	60.6 qrs	57.9 bcd	106.5 ijk	5.5 n-q	37.7 s	0.0 a	0.0 a	3.0 a
Monsanto WB-4699 *(HRWW)*	Awned	60.5 qrs	55.7 h-l	108.2 m-p	5.2 o-r	32.0 d-h	10.8 d	4.3 abc	1.8 kl
AgriPro SY Richie	Awnless	59.9 qrs	55.9 g-k	103.5 cd	4.2 rs	33.5 j-n	0.0 a	8.3 a-d	1.9 jk
AgriPro SY 747	Awned	56.6 rst	49.1 v	108.7 opq	5.8 n-q	32.3 e-j	0.0 a	90.0 o	1.6 m
AgriPro SY Viper	Awnless	56.2 rst	55.6 h-l	106.5 ijk	4.8 qrs	37.3 rs	0.0 a	58.3 m	1.6 m
Blackland 2184	Awned	55.5 st	51.5 u	111.0 st	5.0 pqr	31.3 b-e	0.0 a	25.0g-j	1.6 m
USG 3329	Awned	53.6 t	51.8 u	109.5 qr	5.7 n-q	34.8 op	0.8 ab	58.3 m	1.7 lm
TAM 205 *(HRWW)*	Awned	52.9 t	57.6 cde	108.0 mno	3.8 s	36.2 qr	0.0 a	0.0 a	1.5 m
	LSD (P = .05)	*6.05*	*1.10*	*0.87*	*1.01*	*1.26*	*3.38*	*12.58*	*0.22*
	CV (%)	*7.66*	*1.75*	*0.72*	*12.26*	*3.31*	*109.31*	*52.57*	*8.56*
	GRAND MEAN	*69.40*	*55.27*	*106.58*	*7.21*	*33.47*	*2.72*	*21.02*	*2.24*

†Ranked According to Yield ‡Yield Adjusted to 13% Standard Moisture Date Planted: October 30, 2021 Date Harvested: June 14, 2022

[1]Stand Assessment Scale (based on broken stems from Hessian fly damage throughout whole plot): 0 – No Stand, 10 – 100% Stand

[2]Forage Scale: 1 – less upright growth; thin leaf blade, 2 – moderate upright growth & leaf blade, 3 – excellent upright growth, wide leaf blade

22-04_2021-22 SRWW Variety Comparison with Selected HRWWs Study @ Greenville, TX (Northeast Texas Agricultural Research Farm)

Table 1 MEAN Comparison Table

Variety†	Head Type	Yield‡	Test Weight	Heading	Stand Assessment	Plant Height	Stripe Rust Flag Leaf Infection	Leaf Rust Flag Leaf Infection	Forage
		bu/ac	lb/bu	Julian	0-10[1]	inches	%	%	1-3[2]
Dyna-Gro 9393	Awned	93.5 a	58.4 f-p	111.3 lmn	7.7 a-d	30.8 b-i	0.0 a	1.0 a	2.3 a-e
USG 3472	Awned	93.0 ab	58.5 f-o	111.3 lmn	7.8 abc	32.7 k-o	0.0 a	0.8 a	2.0 c-g
USG 3783	Awned	92.1 abc	58.3 g-q	111.3 lmn	7.7 a-d	30.0 a-d	0.0 a	1.5 a	2.3 a-d
Dyna-Gro WX20738	Awned	92.1 abc	56.7 o-r	108.8 fgh	6.8 c-i	33.2 nop	0.0 a	0.0 a	2.3 a-d
Blackland 2167 EXP	Awned	90.8 a-d	58.0 i-q	111.3 lmn	7.5 a-e	30.5 a-g	0.0 a	1.3 a	2.1 c-f
Dyna-Gro 9120	Awned	90.8 a-d	61.3 bcd	111.0 klm	7.3 a-f	31.2 c-j	0.0 a	3.0 a	1.9 d-h
TAM 304 *(HRWW)*	Awned	90.6 a-d	58.2 h-q	104.2 a	8.3 a	31.5 e-l	4.5 bc	0.0 a	2.6 ab
AgriPro SY 747	Awned	90.3 a-e	54.1 s	111.5 lmn	7.7 a-d	31.3 d-k	0.0 a	11.3 b	1.6 ghi
USG 3895	Awned	89.9 a-f	56.6 pqr	110.8 klm	7.0 b-h	29.8 abc	0.0 a	0.3 a	1.7 f-i
TX17D2337	Awned	89.6 a-f	60.4 cde	109.3 ghi	6.5 e-j	31.8 g-n	0.0 a	0.0 a	1.8 e-h
Go Wheat GW 6000	Awned	89.1 a-g	58.4 f-p	106.2 cd	6.3 f-j	33.0 mno	0.0 a	1.3 a	2.3 a-d
Monsanto WB-4699 *(HRWW)*	Awned	88.4 a-h	59.6 d-j	109.0 f-i	7.0 b-h	29.7 ab	8.8 de	1.5 a	2.3 a-d
TX16DDH579	Awned	88.2 a-i	62.9 ab	108.5 fg	7.2 b-g	35.3 rs	0.2 a	0.0 a	2.4 abc
TAM 114 *(HRWW)*	Awned	88.1 a-i	61.9 abc	110.5 jkl	7.8 abc	36.3 s	0.0 a	18.8 c	2.3 a-d
Dyna-Gro 9172	Awned	88.0 a-j	58.5 f-o	111.8 mno	7.2 b-g	31.5 e-l	0.0 a	2.5 a	1.8 e-h
Pioneer 25R74	Awned	87.9 a-k	57.7 k-q	111.2 lmn	8.0 ab	31.2 c-j	0.0 a	2.0 a	1.8 e-h
Monsanto WB-4418 *(HRWW)*	Awned	86.5 a-l	60.2 c-f	105.8 c	7.8 abc	32.7 k-o	2.3 ab	0.0 a	2.1 c-f
Blackland 2166	Awned	85.8 b-l	59.9 d-h	112.7 op	7.7 a-d	31.2 c-j	0.0 a	0.3 a	2.0 c-g
Dyna-Gro 9002	Awned	85.6 c-l	57.1 l-r	111.2 lmn	7.0 b-h	32.8 l-o	0.0 a	2.3 a	2.2 b-e
TX18D3212	Awned	84.9 d-m	58.9 e-l	110.7 jkl	5.7 jk	31.7 f-m	0.0 a	0.0 a	2.2 b-e
USG 3329	Awned	83.3 e-n	57.7 k-q	111.2 lmn	7.0 b-h	34.7 qr	0.0 a	0.8 a	2.3 a-e
AgriPro SY 547	Awnless	83.2 e-n	58.4 f-p	108.8 fgh	7.2 b-g	36.3 s	1.3 a	0.0 a	1.9 d-h
Blackland 2034	Awned	82.9 f-n	58.1 i-q	111.8 mno	6.5 e-j	30.3 a-f	0.0 a	0.8 a	1.7 f-i
AgriMaXX 492	Awned	82.7 f-n	59.2 e-k	107.2 de	6.8 c-i	31.3 d-k	0.0 a	0.0 a	1.5 hi
AGS 2038	Awned	82.3 g-n	58.1 i-q	108.7 fgh	6.2 g-k	35.0 rs	0.0 a	0.0 a	2.2 b-e
Go Wheat GW 2032	Awned	82.1 g-n	60.1 c-g	104.5 ab	6.7 d-j	32.0 h-n	0.7 a	0.0 a	2.6 ab
Pioneer 25R40	Awned	81.9 g-n	58.7 e-n	114.7 qr	6.3 f-j	29.2 a	0.0 a	0.0 a	1.5 hi
Blackland 2175	Awned	81.9 g-n	59.8 d-i	110.7 jkl	6.2 g-k	30.2 a-e	0.0 a	0.0 a	2.0 c-g
USG 3352	Awned	81.6 h-n	57.9 j-q	115.0 r	7.0 b-h	33.0 mno	0.2 a	0.0 a	2.1 c-f
Monsanto WB-4523 *(HRWW)*	Awned	81.2 i-n	56.5 qr	105.5 bc	6.5 e-j	30.0 a-d	0.0 a	2.8 a	2.4 abc
Dyna-Gro 9811	Awned	80.9 j-n	57.0 n-r	108.2 ef	7.0 b-h	32.3 j-o	0.0 a	0.0 a	2.0 c-g
Dyna-Gro 9701	Awned	80.7 k-n	57.9 j-q	112.2 no	8.0 ab	34.5 pqr	6.8 cd	0.0 a	1.9 d-h
LANC 11558-33	Awned	80.5 l-o	57.9 j-q	107.0 d	6.2 g-k	30.7 b-h	0.0 a	0.0 a	1.7 f-i
USG 3640	Awned	80.5 l-o	60.6 cde	107.0 d	6.3 f-j	34.5 pqr	10.8 e	0.0 a	2.7 a
AgriPro SY Viper	Awnless	79.9 l-o	58.9 e-m	109.7 hij	6.7 d-j	34.8 qr	0.0 a	0.0 a	1.7 f-i
AGS 2055	Awned	79.7 l-o	56.9 o-r	110.7 jkl	8.0 ab	33.5 opq	0.0 a	0.0 a	2.0 c-g
AgriPro SY Richie	Awnless	79.3 l-p	57.6 k-q	105.5 bc	5.2 k	32.2 i-o	0.0 a	0.0 a	1.3 i
Blackland 2184	Awned	78.0 m-p	55.3 rs	111.8 mno	7.0 b-h	31.5 e-l	0.0 a	0.0 a	2.1 c-f
Blackland 2174	Awned	77.6 nop	58.1 i-q	111.2 lmn	6.5 e-j	31.7 f-m	0.0 a	0.0 a	2.3 a-e
TAM 205 *(HRWW)*	Awned	76.9 nop	63.7 a	110.0 ijk	6.7 d-j	33.5 opq	0.0 a	0.0 a	2.3 a-e
USG 3536	Awned	73.3 op	58.3 f-q	113.7 pq	6.0 h-k	34.8 qr	0.0 a	0.0 a	1.8 e-h
USG 3118	Awnletted	73.3 op	58.3 f-q	109.2 f-i	6.5 e-j	29.7 ab	0.8 a	0.0 a	2.4 abc
AGS 2024	Awned	72.4 p	57.1 m-r	108.2 ef	5.8 ijk	30.7 b-h	9.2 de	0.0 a	2.1 c-f
	LSD (P = .05)	*7.22*	*1.84*	*1.10*	*1.12*	*1.40*	*2.42*	*3.11*	*0.47*
	CV (%)	*7.54*	*2.76*	*0.88*	*14.16*	*3.81*	*200.41*	*184.77*	*20.16*
	GRAND MEAN	*84.22*	*58.54*	*109.78*	*6.93*	*32.20*	*1.06*	*1.20*	*2.05*

†Ranked According to Yield ‡Yield Adjusted to 13% Standard Moisture Date Planted: November 17, 2021 Date Harvested: June 8, 2022

[1]Stand Assessment Scale (based on skips/weak spots throughout whole plot): 0 – No Stand, 10 – 100% Stand

[2]Forage Scale: 1 – less upright growth; thin leaf blade, 2 – moderate upright growth & leaf blade, 3 – excellent upright growth, wide leaf blade

22-03. 2021-22 Wheat @ Howe, TX (Norman Farms, Cooperator)
Fungicide Profitability Study

Table 1 — MEAN Comparison Summary†

VARIETY/TREATMENT[1]	Yield‡	Yield Increase over Unsprayed	Test Weight	Test Weight Increase over Unsprayed	Stripe Rust Infection on Flag Leaf	Leaf Rust Infection on Flag Leaf
	bu/ac	Bu/ac	lb/bu	Lb/bu	% 25 DAT[2]	% 25 DAT[2]
AGS 2024 – *Sprayed*	61.4 ijk	1.5	57.7 ab	0.5	0.0 a	0.0 a
AGS 2038 – *Sprayed*	55.1 mn	—	56.8 b-f	—	0.0 a	0.0 a
AGS 2055 – *Sprayed*	62.4 h-k	2.8	52.7 lmn	1.2	0.0 a	0.0 a
Dyna-Gro 9002 – *Sprayed*	69.3 abc	1.1	52.7 lmn	0.9	0.0 a	0.0 a
Dyna-Gro 9811 – *Sprayed*	63.7 g-j	—	54.3 ij	0.5	0.0 a	0.0 a
Go Wheat GW 2032 – *Sprayed*	66.2 c-h	2.3	56.6 c-f	0.6	0.0 a	0.0 a
Go Wheat GW 6000 – *Sprayed*	68.7 a-e	0.8	57.0 b-e	1.0	0.0 a	0.0 a
Pioneer 25R40 – *Sprayed*	66.4 b-g	2.7	54.2 ij	0.8	0.0 a	0.0 a
Pioneer 25R74 – *Sprayed*	70.3 ab	—	54.1 j	0.3	0.0 a	0.0 a
USG 3329 – *Sprayed*	54.1 no	0.1	53.6 jkl	—	0.0 a	0.0 a
USG 3536 - *Sprayed*	61.5 ijk	2.6	53.7 jk	0.1	0.0 a	0.0 a
USG 3895 - *Sprayed*	65.3 d-i	0.4	53.0 klm	0.4	0.0 a	0.0 a
Monsanto WB-4418 ***(HRWW)*** – *Sprayed*	63.9 g-j	—	56.7 c-f	—	0.0 a	0.0 a
Monsanto WB-4523 ***(HRWW)*** – *Sprayed*	71.1 a	4.8	56.2 efg	0.6	0.0 a	0.0 a
Monsanto WB-4699 ***(HRWW)*** – *Sprayed*	57.1 lmn	1.6	54.3 ij	—	0.0 a	0.0 a
Syngenta Monument ***(HRWW)*** – *Sprayed*	50.4 op	0.3	55.5 gh	—	0.0 a	0.0 a
TAM 114 ***(HRWW)*** – *Sprayed*	69.1 a-d	5.0	57.3 a-d	0.9	0.0 a	0.0 a
TAM 205 ***(HRWW)*** – *Sprayed*	50.2 p	—	58.2 a	0.8	0.0 a	0.0 a
AGS 2024 – *Unsprayed*	59.9 jkl		57.2 bcd		29.2 d	0.0 a
AGS 2038 – *Unsprayed*	56.6 lmn		56.9 b-f		1.7 ab	0.0 a
AGS 2055 – *Unsprayed*	59.6 kl		51.5 o		0.5 a	0.0 a
Dyna-Gro 9002 – *Unsprayed*	68.2 a-e		51.8 no		0.0 a	1.8 a
Dyna-Gro 9811 – *Unsprayed*	65.3 d-i		53.8 jk		0.0 a	0.2 a
Go Wheat GW 2032 – *Unsprayed*	63.9 ghi		56.0 fgh		7.5 c	0.0 a
Go Wheat GW 6000 – *Unsprayed*	67.9 a-f		56.0 fgh		1.7 ab	1.8 a
Pioneer 25R40 – *Unsprayed*	63.7 g-j		53.4 j-m		0.0 a	5.0 b
Pioneer 25R74 – *Unsprayed*	71.3 a		53.8 jk		0.0 a	2.5 ab
USG 3329 – *Unsprayed*	54.0 nop		53.7 jkl		0.0 a	12.5 c
USG 3536 – *Unsprayed*	58.9 klm		53.6 j-m		0.0 a	1.0 a
USG 3895 – *Unsprayed*	64.9 e-i		52.6 mn		0.0 a	1.7 a
Monsanto WB-4418 ***(HRWW)*** – *Unsprayed*	65.0 e-i		57.0 b-f		5.8 c	0.0 a
Monsanto WB-4523 ***(HRWW)*** – *Unsprayed*	66.3 b-g		55.6 gh		2.5 b	22.5 d
Monsanto WB-4699 ***(HRWW)*** – *Unsprayed*	55.5 mn		55.1 hi		7.2 c	3.0 ab
Syngenta Monument ***(HRWW)*** – *Unsprayed*	50.1 p		56.2 efg		5.8 c	1.8 a
TAM 114 ***(HRWW)*** – *Unsprayed*	64.1 f-i		56.4 d-g		0.0 a	12.5 c
TAM 205 ***(HRWW)*** – *Unsprayed*	53.3 nop		57.4 abc		1.7 ab	0.0 a
LSD (P = .05)	*3.93*		*1.00*		*1.79*	*3.15*
CV (%)	*5.56*		*1.59*		*89.08*	*150.2*
GRAND MEAN	*62.08*		*55.06*		*1.76*	*1.84*

†Ranked according to Variety/Treatment Entry Order ‡Yield Adjusted to 13% Standard Moisture Date Planted: October 30, 2021 Date Harvested: June 14, 2022

[1]TREATMENT: TebuStar® 3.6 L @ 4 fl.oz/A + Penetrator Plus @ 0.25% v/v applied April 14, 2022

[2]DAT - Days After Treatment

22-05. 2021-22 Wheat @ Greenville, TX (Northeast Texas Agricultural Research Farm)
Fungicide Profitability Study

Table 1 — MEAN Comparison Summary†

VARIETY/TREATMENT[1]	Yield‡	Yield Increase over Unsprayed	Test Weight	Test Weight Increase over Unsprayed	Ryegrass Infestation	Stand	Stripe Rust Infection on Flag Leaf	Leaf Rust Infection on Flag Leaf
	bu/ac	*Bu/ac*	lb/bu	*Lb/bu*	0-10[2]	0-10[3]	% 34 DAT[4]	% 34 DAT[4]
AGS 2024 – *Sprayed*	66.1 f-i	*2.4*	57.5 klm	—	4.8	6.3 g-k	0.0 a	0.0 a
AGS 2038 – *Sprayed*	79.3 a-f	*12.8*	60.5 abc	—	2.2	7.3 b-h	0.0 a	0.0 a
AGS 2055 – *Sprayed*	69.6 b-h	*2.5*	57.5 klm	*0.6*	4.2	7.7 a-g	0.0 a	0.0 a
Dyna-Gro 9002 – *Sprayed*	79.7 a-e	*7.1*	57.7 i-m	—	3.8	8.2 a-d	0.0 a	0.8 a
Dyna-Gro 9811 – *Sprayed*	76.9a-g	*10.8*	57.7 i-m	*0.0*	3.8	7.7 a-g	0.0 a	0.0 a
Go Wheat GW 2032 – *Sprayed*	80.3 abc	*9.1*	59.4 def	*0.5*	2.7	7.3 b-h	0.0 a	0.0 a
Go Wheat GW 6000 – *Sprayed*	78.1 a-f	*9.1*	58.5 e-k	*0.4*	3.5	6.5 f-k	0.0 a	0.0 a
Pioneer 25R40 – *Sprayed*	76.6 a-g	*9.3*	59.1 e-h	*0.4*	3.3	6.3 g-k	0.0 a	0.0 a
Pioneer 25R74 – *Sprayed*	83.2 a	*14.4*	58.5 e-k	*0.2*	3.2	8.0 a-e	0.0 a	0.8 a
USG 3329 – *Sprayed*	61.0 hi	—	57.5 klm	*0.2*	6.7	6.2 h-k	0.0 a	0.3 a
USG 3536 – *Sprayed*	54.8 i	—	58.2 h-l	—	6.2	5.7 jk	0.0 a	0.0 a
USG 3895 – *Sprayed*	79.8 a-d	—	57.3 lm	—	4.3	7.2 c-i	0.0 a	0.0 a
Monsanto WB-4418 ***(HRWW)*** – *Sprayed*	66.5 d-i	—	59.0 e-h	—	5.8	7.7 a-g	0.0 a	0.0 a
Monsanto WB-4523 ***(HRWW)*** – *Sprayed*	60.8 hi	—	57.6 j-m	*0.7*	5.3	5.8 ijk	0.0 a	0.0 a
Monsanto WB-4699 ***(HRWW)*** – *Sprayed*	74.9 a-g	*1.3*	58.4 f-l	—	4.8	6.7 e-k	0.0 a	0.0 a
Syngenta Monument ***(HRWW)*** – *Sprayed*	71.2 a-h	*2.9*	59.3 d-g	*0.6*	4.8	6.8 d-j	0.0 a	0.0 a
TAM 114 ***(HRWW)*** – *Sprayed*	75.8 a-g	—	60.6 ab	*0.3*	4.0	8.5 abc	0.0 a	2.5 ab
TAM 205 ***(HRWW)*** – *Sprayed*	67.8 b-i	—	61.1 ab	—	4.5	7.3 b-h	0.0 a	0.0 a
AGS 2024 - *Unsprayed*	63.7 ghi		57.6 klm		6.2	6.7 e-k	0.0 a	0.0 a
AGS 2038 – *Unsprayed*	66.5 d-i		61.1 ab		5.3	6.2 h-k	0.0 a	0.0 a
AGS 2055 – *Unsprayed*	67.1 c-i		56.9 m		4.5	7.7 a-g	0.0 a	0.0 a
Dyna-Gro 9002 – *Unsprayed*	72.6 a-h		58.0 h-l		4.0	7.8 a-f	0.0 a	14.0 c
Dyna-Gro 9811 – *Unsprayed*	66.1 e-i		57.7 i-m		6.5	6.8 d-j	0.0 a	0.0 a
Go Wheat GW 2032 – *Unsprayed*	71.2 a-h		58.9 e-h		5.0	7.2 c-i	0.0 a	0.0 a
Go Wheat GW 6000 – *Unsprayed*	69.0 b-h		58.1 h-l		4.5	6.3 g-k	0.0 a	0.0 a
Pioneer 25R40 – *Unsprayed*	67.3 b-i		58.7 e-j		6.3	5.3 k	0.0 a	0.0 a
Pioneer 25R74 – *Unsprayed*	68.8 b-h		58.3 g-l		6.3	6.5 f-k	0.0 a	4.0 ab
USG 3329 – *Unsprayed*	67.6 b-i		57.3 lm		6.0	6.8 d-j	0.0 a	2.8 ab
USG 3536 – *Unsprayed*	70.7 a-h		58.3 f-l		3.8	8.0 a-e	0.0 a	0.0 a
USG 3895 – *Unsprayed*	80.4 abc		57.7 i-m		4.0	6.8 d-j	0.0 a	0.0 a
Monsanto WB-4418 ***(HRWW)*** – *Unsprayed*	83.2 a		59.5 cde		3.5	8.7 ab	0.0 a	0.0 a
Monsanto WB-4523 ***(HRWW)*** – *Unsprayed*	66.0 f-i		56.9 m		3.8	8.0 a-e	0.0 a	7.5 b
Monsanto WB-4699 ***(HRWW)*** – *Unsprayed*	73.6 a-h		58.7 e-j		5.2	7.5 a-h	0.0 a	0.0 a
Syngenta Monument ***(HRWW)*** – *Unsprayed*	68.3 b-i		58.7 e-i		4.7	7.0 d-j	7.5 b	0.0 a
TAM 114 ***(HRWW)*** – *Unsprayed*	80.8 ab		60.3 bcd		2.2	8.8 a	0.0 a	47.5 d
TAM 205 ***(HRWW)*** – *Unsprayed*	70.5 a-h		61.5 a		2.5	7.0 d-j	0.0 a	0.0 a
LSD (P = .05)	*13.56*		*1.09*		*NS*	*1.42*	*0.67*	*5.52*
CV (%)	*16.63*		*1.63*		*63.19*	*17.55*	*230.94*	*177.09*
GRAND MEAN	*71.55*		*58.59*		*4.51*	*7.12*	*0.21*	*2.22*

†Ranked According to Variety/Treatment Entry Order ‡Yield Adjusted to 13% Standard Moisture Date Planted: November 17, 2021 Date Harvested: June 9, 2022

[1]TREATMENT (Sprayed): TebuStar® 3.6 L @ 4 fl.oz/A + Penetrator Plus @ 0.25% v/v applied April 14, 2022

[2]Ryegrass Infestation Scale (based on ryegrass presence throughout whole plot): 0 – No Ryegrass, 10 – 100% Ryegrass

[3]Stand Assessment Scale (based on skips/weak spots throughout whole plot): 0 – No Stand, 10 – 100% Stand

[4]DAT – Days After Treatment

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Calendar

Greenville University Farm Summer Crops Field Day July 20, 2022

Private Pesticide Applicator Training –Tyler August 5, 2022

Collin Co. Landowner 101: Principles of Livestock Managment—August 19, 2022

Texas Plant Protection Conference—Bryan Dec. 6 & 7, 2022